

DEFENSE INFORMATION INFRASTRUCTURE (DII)
COMMON OPERATING ENVIRONMENT (COE)
SHARED DATA ENVIRONMENT (SHADE)

SEGMENT ABSRACT

FOR THE

DATABASE ADMINISTRATION RUNTIME TOOLS (DBAdmR) SOFTWARE SEGMENT

Version 1.1.0.0
for
Solaris 2.5.1 & HP-UX 10.20

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DBAdmR Segment Abstract

The Defense Information Infrastructure (DII) Common Operating Environment (COE) provides tools, procedures, and specifications for the development of systems and software applications in a modular manner to improve the interoperability of DOD information systems.

The Shared Data Environment (SHADE) works within and as a part of the DII COE to extend its modularity and interoperability concepts to database management systems, the databases they manage, and the information contained in those databases.

The Database Administration Runtime Tools (DBAdmR) Software Segment provides the Database Administrator (DBA) with a set of Graphical User Interface (GUI) tools that will manage physical storage, start and stop the Database Management System (DBMS) server, modify the DBA password, and display the error logs.

The DBAdmR Segment also provides DII COE database segment developers with a basic set of Application Programming Interfaces (API) that will allow them to start and stop the DBMS server and manage physical storage.

The DBAdmR segment supplies the following DBA tools:

- Identify Storage - Identifies disk devices on a COE Database Server and allows the DBA to allocate and deallocate physical storage on those disk devices.
- Server Control - Starts or stops the DBMS server.
- Set Password - Prompts for and sets the DBA password.
- Error Log - Displays the error logs of the other 3 tools.
- Extend Datastore – Increase the physical storage to an existing data store.

The DBAdmR segment also supplies the following APIs:

- DBAStartServer - Start a DBMS Server, if not running.
- DBAStopServer - Stop a DBMS Server, if running.
- DBACreateDS - Create a data store on a COE Database Server and allocate physical storage to the data store.
- DBAExtendDS - Allocate additional physical storage to an existing data store.

- DBADropDS - Remove a data store from a COE Database Server and deallocate the physical storage assigned to that data store.